

03050109-070
(Big Creek)

General Description

Watershed 03050109-070 is located in Anderson County and consists primarily of *Big Creek* and its tributaries. The watershed occupies 12,531 acres of the Piedmont region of South Carolina. The predominant soil types consist of an association of the Cecil-Madison series. The erodibility of the soil (K) averages 0.26; the slope of the terrain averages 15%, with a range of 2-40%. Land use/land cover in the watershed includes: 9.28% urban land, 35.58% agricultural land, 6.03% scrub/shrub land, 1.16% barren land, 46.96% forested land, and 0.99% water.

Big Creek flows through Big Creek Reservoir and is joined by Camp Creek (Camp Creek Reservoir), near the Town of Williamston, before draining into the Saluda River. This watershed contains a total of 21.1 stream miles, all classified FW. Big Creek Reservoir (93 acres) and Camp Creek Reservoir (36 acres) are used for flood control and recreation.

Water Quality

| <u>Station #</u> | <u>Type</u> | <u>Class</u> | <u>Description</u> |
|------------------|-------------|--------------|-----------------------|
| S-302 | W/BIO | FW | BIG CREEK AT S-04-116 |

Big Creek (S-302) - This stream was Class B until April, 1992. Aquatic life uses are partially supported based on macroinvertebrate community data. Recreational uses are partially supported due to fecal coliform bacteria excursions.

Permitted Activities

Point Source Contributions

| RECEIVING STREAM FACILITY NAME PERMITTED FLOW @ PIPE (MGD) COMMENT | NPDES# TYPE LIMITATION |
|---|--|
| BIG CREEK TOWN OF WILLIAMSTON/BIG CREEK PLT PIPE #: 001 FLOW: 1.0 WQL FOR NH3-N, DO, TRC PROPOSED FOR ELIMINATION TO SALUDA RIVER | SC0025976 MAJOR MUNICIPAL WATER QUALITY |
| BIG CREEK TOWN OF WILLIAMSTON/WTP PIPE #: 001 FLOW: 0.14 WQL FOR TRC | SCG645009 MINOR DOMESTIC WATER QUALITY |
| BIG CREEK TRIBUTARY MOHAWK INDUSTRIES/BELTON PLT PIPE #: 001 FLOW: 0.013 WQL FOR NH3-N, DO, TRC, BOD5 | SC0023213 MINOR INDUSTRIAL WATER QUALITY |

Landfill Activities

***SOLID WASTE LANDFILL NAME
FACILITY TYPE***

***PERMIT #
STATUS***

**ANDERSON COUNTY/BIG CREEK
MUNICIPAL**

**041001-1101
ACTIVE**

**ANDERSON COUNTY
C&D**

**041001-1202
CLOSED**

Growth Potential

Overall, there is a fairly low potential for intensive urban growth in this watershed, except for the area directly adjacent to the Saluda River. The Town of Williamston, although not a high growth area, is expected to experience low to moderate growth. A rail line crosses the watershed running from The Town of Williamston to the Town of Pelzer (en route to the City of Greenville) and contributes to the growth in the area.